shell and in the parting face 18 of the shell holder. For this purpose, respective housings 19 and 20, hollowed out in the facing edges of the afore-mentioned parting faces 13 and 18, respectively, are provided. The bottoms of the housings 19 of the shell 7 constitute flat bearing surfaces on which may bear members for locking the shell holder 9. These locking members may be formed in many ways known to those skilled in the art. In the example shown in FIG. 2, these are projecting lugs 21 drilled with an elongate hole 22 and retained by a screw 23 fixed to the bottom of the corre- 10 sponding housing 20 of the parting face 18 of the shell holder 9; this arrangement has the advantage that the shell is released as soon as the lugs 21 are unlocked and pushed back toward the outside, without it being necessary to remove the screws 23 completely. Notwithstanding this, the shell could 15 also be locked onto the shell holder by using wide-head screws overlapping the flats of the housings 19, or else by using quick-face eccentric-head screws, etc.

It will be noted that in practice the two locking members 21 located on the side adjacent to the axis of rotation 4, in 20 the case of a jackknife mold, do not have to be actuated and may thus constitute simple stops (with the possibility of adjusting the position of these stops) under which the flats of the respective housings 19 are brought when the shell is inserted into the shell holder, by causing the shell to slide 25 rotationally in the latter. Moreover, given the position of these two locking members 21 located in the bottom of the open mold, their access is difficult and their removal would unnecessarily lengthen the process of replacing the shell 7.

As for the rest, each shell holder 9 is designed in the same 30 way as a previous half-mold, which includes the elements necessary for correct operation of the molding device, and in particular the means 10 for fixing it to the corresponding mold carrier 3, the guiding fingers 24 (and the respective housings in the other shell holder) for closing the mold, the 35 rear face provided with a chamber 26 and with an O-ring seal 27 for compensation as shown in FIG. 4. It is therefore possible, in a preexisting installation, to replace the conventional monobloc half-molds with two-element half-molds according to the invention.

Needless to say, and as results already from the foregoing, the invention is in no way limited to those of its methods of application and of its embodiments which have been more particularly envisaged; on the contrary, it embraces all variants thereof.

We claim:

1. Device for manufacturing containers, made of a thermoplastic by blow molding or stretch-blow molding of a preheated preform, the said device including at least one mold (1) consisting of two half-molds (2) respectively supported by two mold carriers (3) which are made in the form of enveloping structures and which can move one with respect to the other, characterized in that each half-mold (2) comprises a shell holder (9) supported by the respective mold carrier (3) and a shell (7) which is provided with a 55 hatt-impression (8) of the container to be obtained and which can be removably fastened to its shell holder (9) by quick-fixing means (19-23), the shell (7) and the shell holder (9) being in complementary shapes in order to be in at least partial mutual thermal-conduction contact while the

pipes and connections for the circulation of cooling and/or heating fluids (11, 12) are provided exclusively in the shell holder.

- 2. Device according to claim 1, characterized in that the mating faces (14, 15) of the shell (7) and of the shell holder (9) are in total thermal-conduction contact.
- 3. Device according to claim 1, characterized in that the mating faces (14, 15) of the shell (7) and of the shell holder (9) are in partial thermal-conduction contact by leaving regions of limited thermal conduction.
- 4. Device according to claim 1, characterized in that the mutually contacting mating faces (14, 15) of the shell (7) and of the shell holder (9) are approximately semicylindrical surfaces of revolution with an axis approximately parallel to the axis of the impression (8) of the container to be manufactured.
- 5. Device according to claim 1, characterized in that the mutually contacting mating faces (14, 15) of the shell and of the shell holder are provided with axial mutual-positioning means (16, 17).
- 6. Device according to claim 5, characterized in that the axial mutual-positioning means comprise a system of one or more mating ribs (16) and grooves (17) extending circumferentially.
- 7. Device according to claim 1, characterized in that the means (19-23) for quickly fixing the shell (7) to the shell holder (9) are provided on their respective parting faces (13, 18).
- 8. Device according to Claim 4, characterized in that the means (19-23) for quickly fixing the shell and the shell holder are located on their respective edges parallel to the axis of the impression.
- 9. Device according to claim 8, characterized in that the quick-fixing means (19-23) comprise, on one side, at least one stop for positioning the parting face of the shell with respect to the parting face of the shell holder and, on the other side, quick-screwing means (23) on the parting face (18) of the shell holder (9) with a clamping surface (21) projecting from the parting face (19) of the shell.
- 10. Device according to claim 9, in which the mold carriers are rotationally pivoted with respect to each other whereby at least one stop is located on the pivot (4) side of the mold carriers (3) and the quick-screwing means are located on the opposite side.
  - 11. Device according to claim 1, characterized in that the shell holder (9) is also provided with members (24) for guiding the half-molds in order to close the mold.
  - 12. Device according to claim 1, characterized in that at least one of the shell holders is equipped with pressure-compensating means suitable for maintaining the sealed closure of the mold during blow molding.
  - 13. Device according to claim 1, characterized in that the shell holders (9) are equipped with a number of fluid pipes, by virtue of which it is possible to create suitable circuits for a given manufacture with a given impression.
  - Device according to claim 1, wherein said containers are bottles.

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